

ICS 209 (Oil Spill) - Incident Status Summary										Version Name: 20191220							
Incident Name: South 4 Group Fire										Period: Period 16 [12/19/2019 06:00 - 01/31/2020 06:00]							
Spill Status (Estimated)										Equipment Resources							
Source Status		Remaining potential		151,740		Kind		Ordered	Available	Assigned	Out-Of-Service	Total Count					
SECURED		Rate of spillage		0 barrel(s)		Air Monitor - MultiRAE		0	0	10	0	10					
		Volumes measured in		barrel(s)		Air Monitor - UltraRAE		0	0	0	0	0					
		Since Last Report		Total		Boom		0	1	2,000	0	2,001					
Total Volume Spilled		0		999		Fire Fighting Foam		0	1,590	0	0	1,590					
Mass Balance (Estimated)										Volumes in gallon(s)							
Recovered Material (Liquid)		15,000		76,500		Jon Boat		0	0	3	1	4					
Foam		0		1,320		Pumps		2	21	35	0	58					
Combusted Material (bbl)		0		48,970		Response Boat		0	0	2	0	2					
Waste (Estimated)										Skimmer			0	17	1	0	18
Type		Recovered	Stored	Disposed	UOM	Sorbent: Boom		0	50	8,350	0	8,400					
Sorbent: Boom		13,720			Feet	UTV		0	0	1	1	2					
Debris		1,216			Bags	Vacuum Truck		0	0	9	3	12					
Liquid		194,975			gallon (s)	Vehicle		4	17	108	1	130					
						Viscous Sweep		0	0	250	0	250					
Shoreline Impacts										Distances measured in mile(s)							
Degree of Oiling		Affected	Cleaned	Remaining to be Cleaned		Organization		People in the Field	People in Cmd. Post	Total People On Scene							
						Other		4	0	4							
Wildlife Impacts										Personnel Resources							
					Died In Facility		Federal		0	1	1						
Type	Captured	Cleaned	Released	DOA	Euth.	Other	State		1	1	2						
Fish Above 3"	0	0	0	68	0	0	Local		11	1	12						
Bird	0	0	0	0	0	0	RP		102	32	134						
Mammal	0	0	0	0	0	0	Contract Personnel		388	66	454						
Reptile	0	0	0	1	0	0	Totals		506	101	607						
2-3" Fish	0	0	0	2,000	0	0	Special Notes										
Blue Crab	0	0	0	18	0	0	Active Fires: 1										
Pig				2			Notes:										
Safety Status										*Spilled material based on 98% destruction efficiency of the fire.							
Type		Amount since last report		Total Amount													
Public Injury		0		0													
Responder Injury		1		5													
Community Air Readings for all analytes		0		90,000													
BD - Community Air Detections above action level		0		240													
Community Air Monitoring readings for Butadiene				31,424													
VOC - Community Air Detections above action level		0		12													
ICS 209 (Oil Spill) - Incident Status Summary										Prepared By Planning Section, Updated 12/20/2019 21:37 UTC -6: PP							
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Safety Status					
<i>Type</i>	<i>Amount since last report</i>	<i>Total Amount</i>			
Community Air Monitoring readings for VOC		31,671			
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Daily Summary – TPC Port Neches South 4 Group Fire 12/20/2019

The waterway has now transitioned to Maintenance and Monitoring Mode

Shoreline Impacts	Assessed, miles	In Remediation, miles	Sign Off
No Oil Observed	4.96		4.96
Light Oil	1.05		1.05
SCAT Recommends No Further Treatment	2.58		2.58

Today's Activities

- There was one CIR on 12/20/2019 for a dead turtle discovered in the middle of the boom in the canal at Pine Street.
- One fire remains burning.
- For more than four days, there have been no readings above detection limits for butadiene or VOC within the ½-mile radius area in which community air monitoring is being performed 24/7.
- There were no new leaks discovered within the site's work zone.
- 200 gpm of water is being sprayed on the two leaks in Block 10 that were discovered this week.
- OSHA and CSB continued their site assessment and employee interviews on 12/20.
- TCEQ reduced the number of teams conducting air monitoring to one team of contractors. Teams sampling water have also been demobilized.
- Phase Two of the DEHA Injection Plan continued today, 12/20/2019. DEHA was injected into two more tanks, for a total of five of the tanks identified for the second phase. Tanks 9, 10, 11, 12 & 13 have been injected with DEHA per the approved plan.
- The new TPC Response Trailer is now in use and providing access to computers, email and printers to IC personnel.
- The low volume vapor leak from under Tank 33, which remains inaccessible for safety reasons, is ongoing and continues to be minor. The cribbing contractor continued implementing the cribbing plan. Currently an approximately 16 ft. high half-moon shaped support berm has been formed along the leaning side of the tank. Large mats are being placed on the side of the wall for additional support. The mats represent a change from the initial plan to utilize trench supports. The plan was revised and approved to address site conditions by utilizing the mats.
- The drone focused on the piping and valves under Tanks 35 and 36 to identify the potential sources of the leaks. Options for mitigating these leaks are being developed and reviewed. These leaks, while still ongoing have no major impact on the work area air quality. Several days of drone IR footage was reviewed to assess conditions in Tanks 35 and 36.
- Work Zone recovery of PACM/ACM material was continued.
- Teams continue to develop plans for assessing and managing PACM/ ACM in all building that are safe to enter and plan for final decontamination prior to (ultimately) building occupancy. Potential decon options have been identified and are being pursued.
- The next analytical results on air analytical samples will be provided by 12/30/2019.
- CTEH will provide a comprehensive summary of all waster analyses by 12/30/2019.
- The following table provides a list of ongoing leaks have been identified on lines associated with the following:

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
39	Raffinate	Flange on line east of sphere 39	
40	Raffinate	Tubing valve	12/14/2019
36	High Butane Raffinate	Flange on tank	
33	High Butane Raffinate	Tubing fitting	

35	High Butane Raffinate	Tubing leak	
90 & 91	High Purity Butadiene	Leak on common suction line, 092 that runs N to S	
26	Crude C4	Line leak, attempted repair with clamp	12/14/2019
30	Water and NMP Solvent	Tubing fitting	12/13/2019
219	MTBE	Vacuum Breaker	
2" Flange SE corner of block 10	Assumed BD	Flange	
6" valve at block 5 on 3 rd street	Raff	Valve	12/17/2019

- The Outfall Canal remains in Monitoring and Maintenance mode. Water was approximately 2 feet below the Outfall 201 weir. There was no discharge from Outfall 201.

Upcoming Activities

- Continue to execute the cribbing plan for Tank 33 on 12/21. This project is forecasted to take several days more to implement.
- The new Community Alarm System is on site. Testing will be announced when the schedule is confirmed.
- Monitoring of the schools will be suspended during Holiday Break, but the area will continue to be monitored as part of the 1/2 -mile radius Air Monitoring Plan.
- The Potential Asbestos Containing Material (PACM) Cleanup Team Activities began collecting material found on the ground, per the recently approved plan. They team will continue its work but will not remediate the area or disturb the evidence. The teams will start at the north end of the site, collecting the material in a planned manner until the whole site has been completed.
- The traffic pattern on 366 remains the same. TXDOT will begin to change the flow of traffic patterns to open the south two lanes of Hwy 366 to two-way traffic between Hogaboom and Park streets. This would allow the public to have access to that section of the road and enable TPC to utilize the northern three lanes to facilitate moving equipment and personnel east and west across the site.

Health and Safety

- No issues.

Water Effluent

- Status of 201: No flow from Outfall 201. The water level remained 1.5 -2 feet below the weir level.
- GPM to JWWTP: None.

Water Testing: No new analytical information. Analytical summaries will be provided each Monday

- As of December 11, 2019, a total of 179 surface water samples have been collected at 20 different locations for VOCs, SVOCs, PAH, PFAS, TPH, TOC, oil and grease, ethylene glycol, and asbestos analysis. Results of these analyses are not representative of drinking water sources.
- As of December 11, 2019, 155 surface water sample results have been received for VOC analysis and 94 results received for asbestos analysis.
- There have been no exceedances of TCEQ Contact Recreation Water Protective Concentration Limit (PCL) screening levels for the surface water samples with available PCLs. Where no PCLs are available, results are being compared to background surface water samples.

Wildlife Report

- A turtle was found dead in the canal at Pine Street. It was reported as a CIR and to the agencies.

Recovery Operations

- Routine monitoring.

SCAT Report

- Maintenance and Monitoring Plan is in effect.

Waste

Classification has been initiated for ultimate waste disposal.

Gallons	Frac Tanks (20,000 gallons capacity)	# Of Tanks Used
177,500	Liquids from outfall canal skimming	9
10,000	Water and hydrocarbons from south separator	.5
30,000	Latex-laden Wastewater from LION	1.5
15,000	Hydrocarbons from API Separator	0.75
250	Wash Water from decon at Vallen Trailer	0.1
10,000	Liquids from Second Street Ditch	0.5
	Empty Available and Staged	5
232,500	Totals	19

CYD's	Roll Off Boxes (25 CYD's capacity)	# Of Boxes Used
225	Hydrocarbon Debris and Sorbents from Canal	11
225	Totals	11

Empty available and staged (requested 4 more) 2

CYD's	Potential Asbestos Containing Material (PACM)	# Of Boxes Used
12.5	Material from 201 outfall and south separator	0.5
30	Motiva (1-full, 1-in use)	2
6.25	Joint Waste Water	1
48.75	Totals	4

	Other	
	Routine Plant Trash (Garbage)	1
	Dirty Containment Boom waiting on decon	0

Community Air Monitoring

Please note: Air and Asbestos air monitoring samples will continue to be collected, but analytical results will be reported once per week on Monday.

Asbestos Monitoring

Community

- Wipe samples: Zero of the 188 samples collected have been positive for asbestos
- Bulk Sampling: 96 of 237 samples tested positive for asbestos

Air Monitoring Sampling Results

Community

No analytical updates available at the time of this report.

Analytical	Detections	Samples Collected	Sample Stations
Volatile Organic Compounds (VOC)*	2*	422	44
Poly Aromatic Hydrocarbons (PAH)	None Detected	476	28
Asbestos	None Detected	718	44

2* There were detectable amounts of VOC, but two were above the Texas Commission on Environmental Quality (TCEQ) 24-hour AMCV (430 ppb), however below the TCEQ short-term AMCV (1,700 ppb).

Community Assessments

Refer to following pages.

Community Property Assessment Summary

186

65

153

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Community Property Assessment Summary - Jefferson

160

60

128

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Community Property Assessment Summary - Orange

26

5

25

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Completed Property Assessments Property Type Sum

Type	# of Properties
Commercial/Business	1
Multi-family Residence	2
Single Family Home	183
	186